

FIG. 1 is a block diagram of a system for deploying software to a receiving node. The system includes a sending node 100, an Internet or private network 150, and a receiving node 160. The sending node 100 includes a deployment console 110, an imaging and packaging server 120, and two computers 130. The receiving node 160 includes an intelligent installation server 180, three disk arrays 190, and a CD jukebox. The deployment console 110 is connected to the imaging and packaging server 120, which is connected to the two computers 130. The imaging and packaging server 120 is also connected to a disk array 140. The sending node 100 is connected to the Internet or private network 150, which is connected to the receiving node 160. The intelligent installation server 180 is connected to the three disk arrays 190 and the CD jukebox.

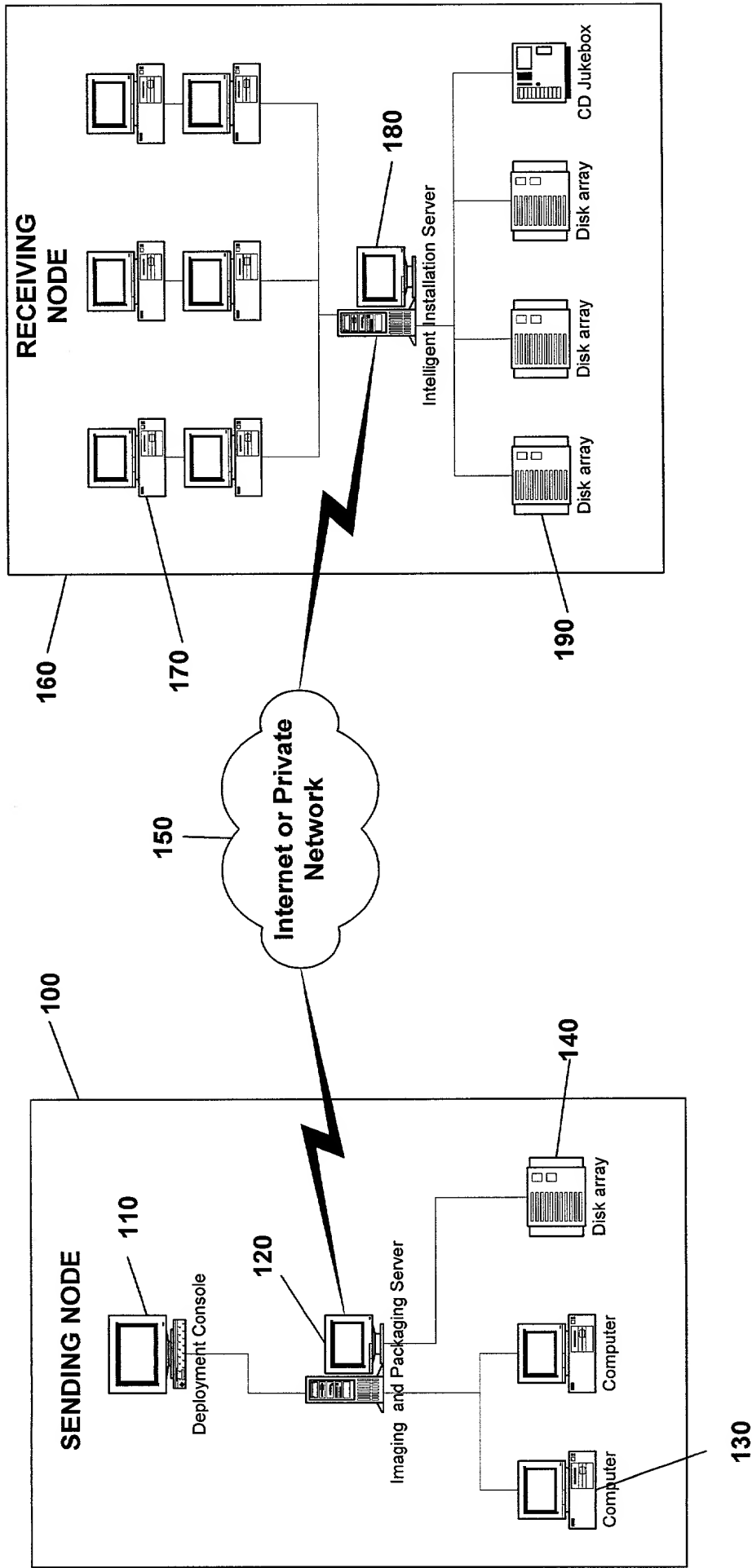


Fig. 1

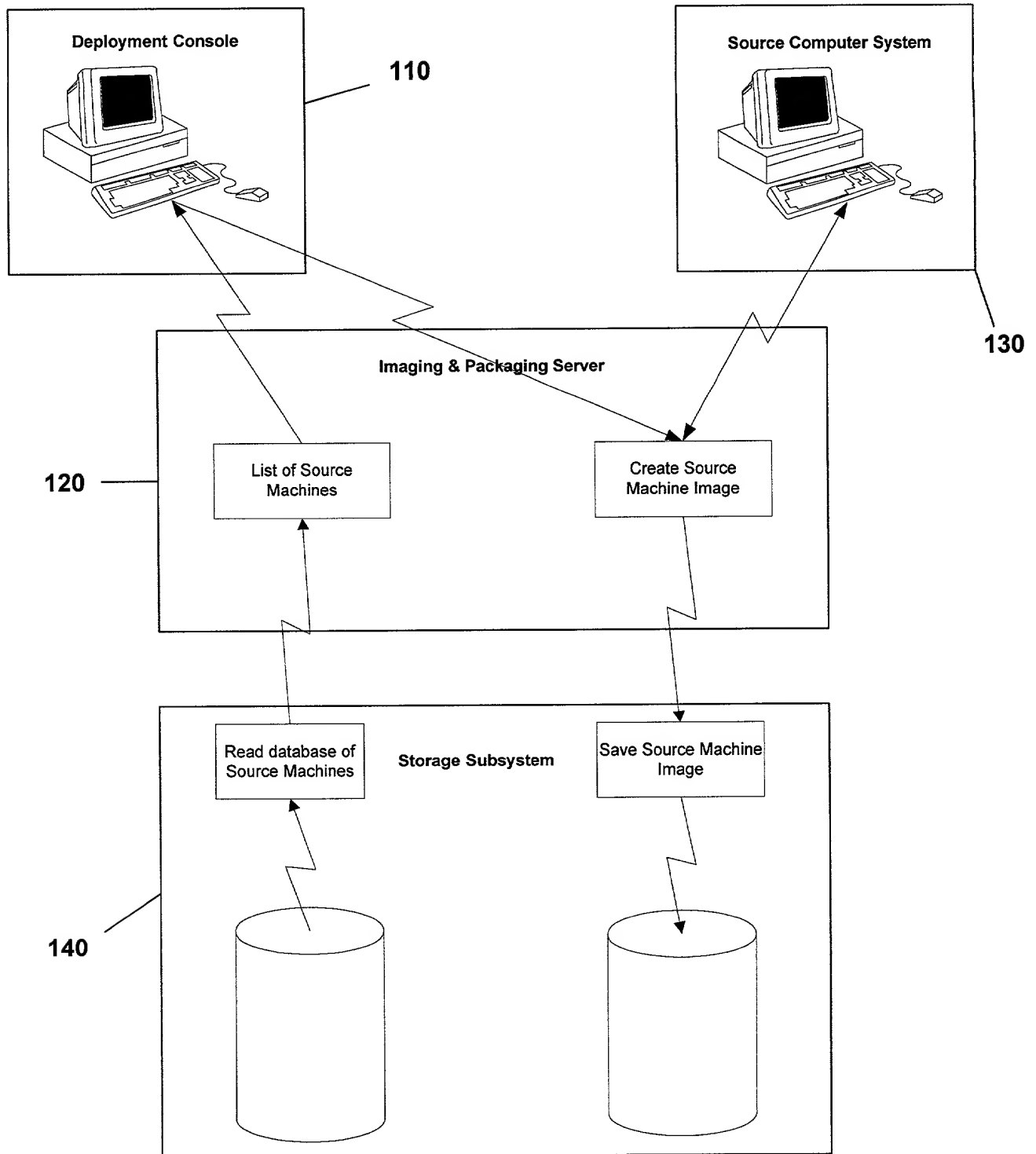
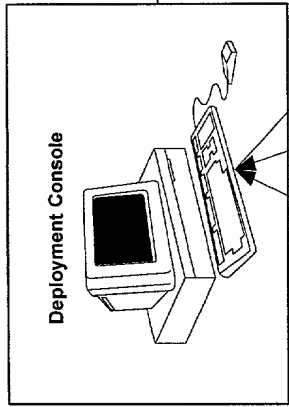


Fig. 2

FIG. 3 is a block diagram of a system for installing and packaging target systems. The system includes a Deployment Console (110) connected to a Packaging Engine (120) and an Installation Engine (180). The Packaging Engine (120) includes an Imaging & Packaging Server (350) and a Storage Engine (140). The Installation Engine (180) includes an Intelligent Installation Server (360) and a Storage Subsystem (190). The Imaging & Packaging Server (350) is connected to the Storage Engine (140) and the Intelligent Installation Server (360). The Storage Engine (140) includes a List of Source Machine Images and Remote Locations/Nodes (355) and a Get Source Image and Remote Locations/Nodes Information (360) block. The Intelligent Installation Server (360) includes an External Interface (350) and a Lock Each Target System on List (365) block. The Storage Subsystem (190) includes a Retrieve List of Target Systems (360) block. The Deployment Console (110) is connected to the Packaging Engine (120) and the Installation Engine (180). The Packaging Engine (120) is connected to the Installation Engine (180). The Imaging & Packaging Server (350) is connected to the Storage Engine (140) and the Intelligent Installation Server (360). The Storage Engine (140) is connected to the Intelligent Installation Server (360). The Intelligent Installation Server (360) is connected to the Storage Subsystem (190). The Deployment Console (110) is connected to the Packaging Engine (120) and the Installation Engine (180). The Packaging Engine (120) is connected to the Installation Engine (180). The Imaging & Packaging Server (350) is connected to the Storage Engine (140) and the Intelligent Installation Server (360). The Storage Engine (140) is connected to the Intelligent Installation Server (360). The Intelligent Installation Server (360) is connected to the Storage Subsystem (190).



110

355

120

Packaging Engine

Imaging & Packaging Server

List of Source Machine
Images and Remote
Locations/Nodes

List of Selected Target
Systems

External
Interface

350

Send Hardware
Information/Return List
of Target Systems that
match

360

Storage Engine

Get Source Image
and Remote
Locations/Nodes
Information

140

Installation Engine

Intelligent Installation
Server

External
Interface

Lock Each Target
System on List

Compile and Send List
of Matching Target
Systems

180

365

Storage Subsystem

Retrieve List of
Target Systems

190

Fig. 3

180

120

190

140

130

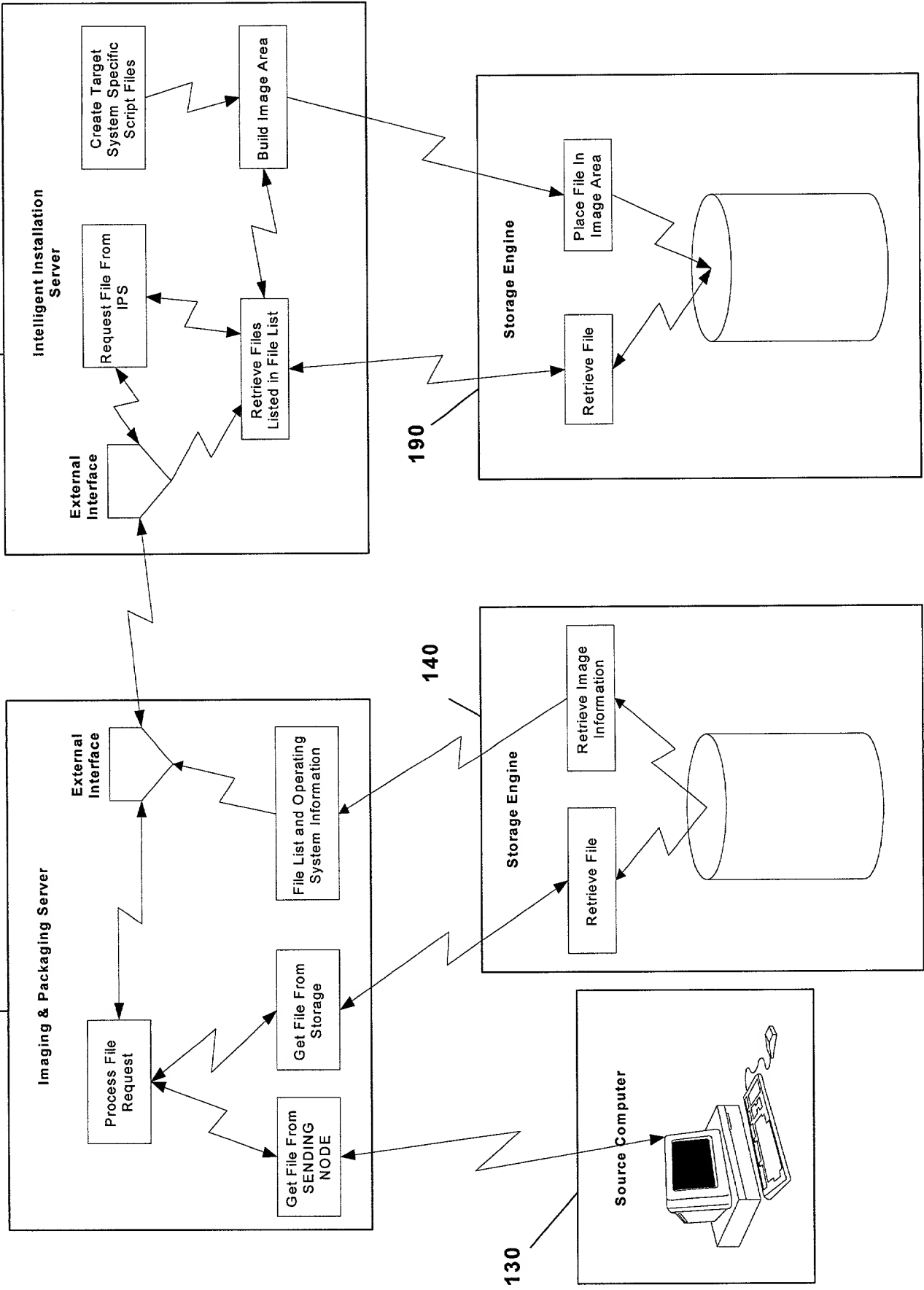


Fig. 4

FIG. 5 is a block diagram of a system for deploying a thin client to a target computer system. The system includes an Imaging & Packaging Server (120), an Intelligent Installation Server (180), a Storage Subsystem (190), a Deployment Console (110), and a Target Computer System (560). The Imaging & Packaging Server (120) includes an External Interface and a Process Status Requests/Received block. The Intelligent Installation Server (180) includes External Interfaces, a Process Status Requests/Received block, a Send Location Of Imaging Area block, and a File System Server block. The Storage Subsystem (190) includes a Retrieve/Store Files block and a storage cylinder. The Deployment Console (110) is represented by a computer icon. The Target Computer System (560) includes a Thin Kernel block with sub-blocks: Modify Boot Process Reboot System, Initialize Local Storage Mount File System, Retrieve Files, Write to Local Storage, and Send Status. It also includes a storage cylinder (570). Arrows indicate data flow: from the Imaging & Packaging Server (120) to the Intelligent Installation Server (180); from the Intelligent Installation Server (180) to the Storage Subsystem (190); from the Storage Subsystem (190) to the Target Computer System (560); from the Deployment Console (110) to the Intelligent Installation Server (180); and from the Target Computer System (560) to the Intelligent Installation Server (180).

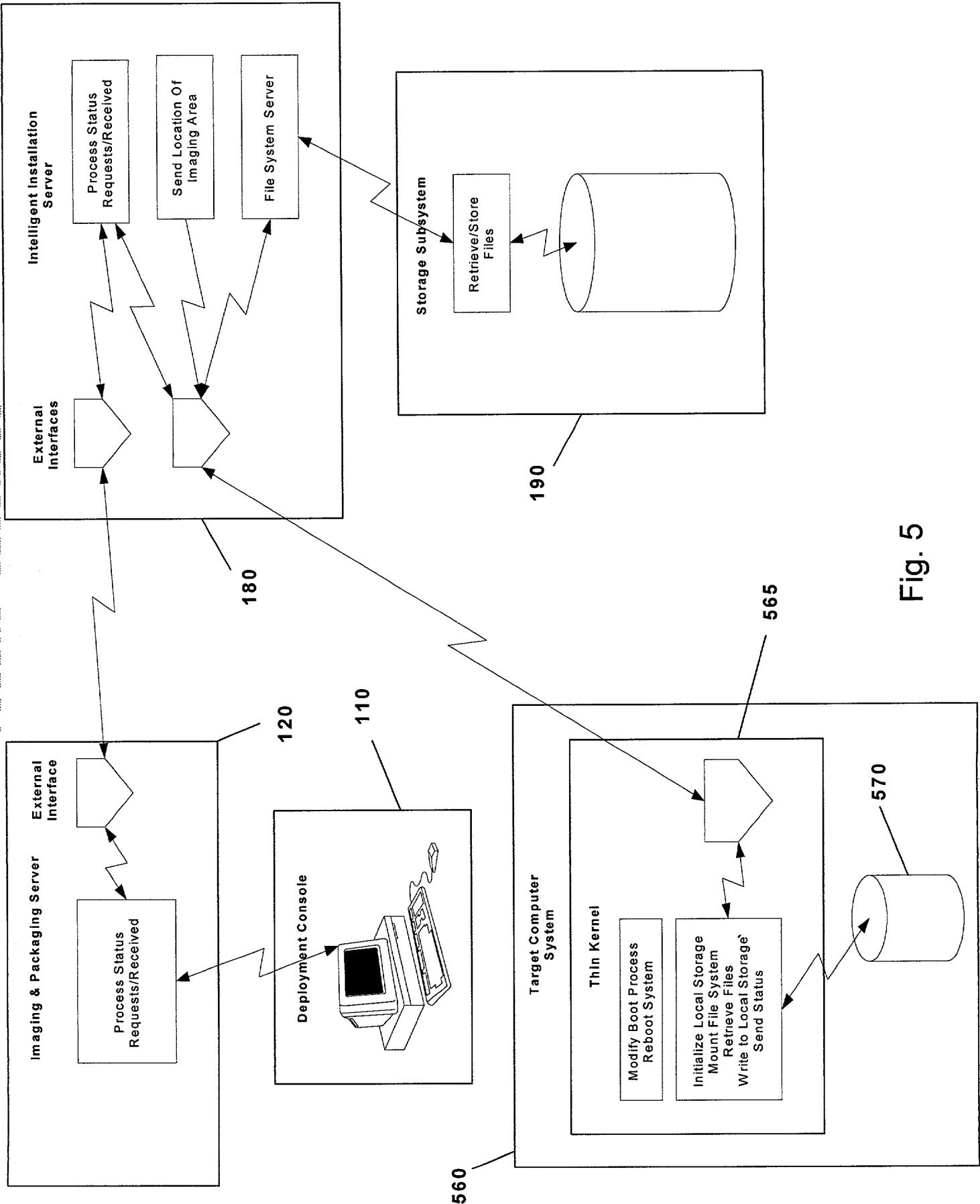


Fig. 5